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I-20123 Milano(IT)**(54) **Conjugate recovery binding assays and devices.**

(57) The novel analytical devices and methods of the present invention involve a solid phase material, such as a test strip, through which a test sample and a conjugate travel and sequentially contact at least two defined sites for the comparative display of immobilized conjugate. The two defined sites of the present invention include a capture site to which is attached a capture reagent and a conjugate recovery site to which is attached a conjugate recovery reagent. The immobilization of conjugate in these sites is relative to the amount of analyte in the test sample. As the amount of analyte in the sample increases, there is a decrease in the detectable conjugate at the capture site and a corresponding increase in detectable conjugate at the conjugate recovery site. The devices and methods can be used for detecting the presence or amount of an analyte in a test sample containing or suspected of containing the analyte of interest. Optionally, a poly-valent conjugate can be used.

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EUROPEAN SEARCH REPORT

Application Number

EP 91 10 6593

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,X	EP-A-0 299 428 (ABBOTT LABORATORIES) * page 8, line 7 - line 25; claims 1-2 * ---	1-10	G01N33/543 //G01N33/558 //G01N33/564 //G01N33/94
X	EP-A-0 253 464 (HYBRITECH INCORPORATED) * abstract; example 2 * ---	1-10	
X	EP-A-0 201 339 (ULTRA DIAGNOSTIC CORPORATION) * abstract * * page 3, line 17 - page 4, line 8 * ---	1-10	
A	EP-A-0 284 232 (BECTON DICKINSON AND COMPANY) * page 2, line 14 - page 3, line 20 * ---	1-10	
P,X	WD-A-9 105 262 (UNIVERSITY OF MICHIGAN) * abstract * * page 4, line 10 - page 5, line 15 * -----	1-10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G01N
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 25 MAY 1992	Examiner CEDER, Ove
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	